

PATENT

INSTITUT FRANÇAIS DU PETROLE

**METHOD OF DETERMINING THE THERMAL PROFILE  
OF A DRILLING FLUID IN A WELL**

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ABSTRACT

Method intended for real-time determination of a thermal profile of the drilling fluid in a well from three measuring points available in the field, i.e. the injection temperature, the outlet temperature and the bottomhole temperature. The form of the profile between these three points is defined by a type curve representative of the thermal profiles in a well under drilling, estimated from physical considerations on thermal transfers in the well.